



UNIVERSITAS SYIAH KUALA

Darussalam, Banda Aceh

Izin Pendirian : Keputusan Presiden R.I. Nomor 161 Tahun 1962

Nomor : 212012020000098

I J A Z A H

diberikan kepada

Muhibul Jamal

NPM : 1504102010029

lahir di Mata Ie tanggal 25 Juni 1995

karena telah menyelesaikan pendidikan dengan baik dan lulus tanggal 2 Januari 2020 pada

Program Studi Teknik Mesin

Fakultas Teknik

dan kepadanya diberikan gelar

Sarjana Teknik (S.T.)

beserta segala hak dan kewajiban yang melekat pada gelar tersebut

Diberikan di Banda Aceh pada tanggal 3 Februari 2020

Dekan,

Dr. Ir. Taufiq S, M.Eng.



Rektor,

Prof. Dr. Ir. Samsul Rizal, M.Eng.





UNIVERSITAS SYIAH KUALA

Darussalam, Banda Aceh

Izin Pendirian: Keputusan Presiden R.I. Nomor 161 Tahun 1962

TRANSKRIP AKADEMIK

000098/21201/UN11/TN/2020

Nama : Muhibul Jamal
NPM : 1504102010029
Tempat Lahir : Mata le
Tanggal Lahir : 25 Juni 1995

Fakultas : Teknik
Program Studi : Teknik Mesin
Program Pendidikan : Sarjana
Tanggal Lulus : 2 Januari 2020

No	Kode Mata Kuliah	Mata Kuliah	SKS	Nilai
1	MKS201	BAHASA INGGRIS	2	B
2	TME101	KALKULUS I	3	BC
3	TME103	MENGAMBAR TEKNIK + PRAKTIKUM	2	BC
4	TME105	MATERIAL TEKNIK + PRAKTIKUM	3	AB
5	TME107	FISIKA DASAR I + PRAKTIKUM	3	BC
6	TME109	KIMIA DASAR	2	A
7	TME111	PENGANTARAN TEKNIK MESIN	2	AB
8	MKS101	BAHASA INDONESIA	2	A
9	MKS104	ILMU SOSIAL DAN BUDAYA DASAR	2	A
10	MKS105	PENDIDIKAN AGAMA	2	AB
11	MKS106	PENGETAHUAN KEBENCANAAN DAN LINGKUNGAN	2	AB
12	TME102	KALKULUS II	3	B
13	TME104	MENGAMBAR MESIN + PRAKTIKUM	2	BC
14	TME106	METALURGI FISIKA + PRAKTIKUM	3	B
15	TME108	FISIKA DASAR II + PRAKTIKUM	3	BC
16	MKS103	PENDIDIKAN PANCASILA DAN KEWARGANEGARAAN	2	B
17	TME201	MATEMATIKA TEKNIK I	3	C
18	TME203	PROSES PRODUKSI I + PRAKTIKUM	3	AB
19	TME205	STATIKA STRUKTUR	3	B
20	TME207	ASAS-DASAR KOMPUTASI + PRAKTIKUM	3	BC
21	TME209	TEKNIK TENAGA LISTRIK + PRAKTIKUM	3	A
22	TME211	TERMODINAMIKA TEKNIK DASAR	3	BC
23	TME303	MESIN KONVERSI ENERGI I	2	BC
24	TME202	MATEMATIKA TEKNIK II	3	B
25	TME204	PROSES PRODUKSI II + PRAKTIKUM	3	B
26	TME206	MEKANIKA KEKUATAN MATERIAL	3	B
27	TME208	PERPINDAHAN PANAS DASAR	3	AB
28	TME210	ELEMEN MESIN I	3	AB
29	TME212	PENGUKURAN TEKNIK	2	B
30	TME214	MEKANIKA FLUIDA I	3	AB
31	TME301	KINEMATIKA	3	B
32	TME305	GETARAN MEKANIK	3	B
33	TME307	METROLOGI INDUSTRI & KONTROL KUALITAS + PRAKTIKUM	3	B
34	TME309	PERAWATAN MESIN	2	A
35	TME311	ELEMEN MESIN II	3	A
36	TME313	MEKATRONIKA	2	AB
37	TME315	MEKANIKA FLUIDA II	2	BC
38	TME547	MESIN PRODUKSI	2	AB
39	TME557	ROBOTIKA DAN KONTROL NUMERIK	2	B
40	FTT302	TECHNOPRENEURSHIP	2	A

No	Kode Mata Kuliah	Mata Kuliah	SKS	Nilai
41	TME110	KONSEP TEKNOLOGI	2	AB
42	TME302	DINAMIKA TEKNIK	3	AB
43	TME304	MESIN KONVERSI ENERGI II	2	AB
44	TME310	SISTEM KENDALI	2	A
45	TME312	PEMILIHAN BAHAN & PROSES	2	AB
46	TME314	PRAKTIKUM FENOMENA DASAR MESIN	1	AB
47	TME404	MANAJEMEN INDUSTRI	2	AB
48	TME506	METALOGRAFI DAN KARAKTERISASI MATERIAL	3	AB
49	TME544	REKAYASA KOROSI	3	AB
50	TME401	METODE PENELITIAN	3	B
51	TME403	PENULISAN KARYA ILMIAH	1	AB
52	TME405	PRAKTIKUM PENGUKURAN PRESTASI MESIN	1	AB
53	TME509	PERLAKUAN PANAS DAN PERMUKAAN	3	AB
54	TME511	TEKNIK PEMBENTUKAN	3	A
55	TME541	KERUSAKAN LOGAM & PENGUJIAN TAK MERUSAK	3	A
56	TME549	METALURGI SERBUK	2	A
57	TME565	METODE KOMPUTASI	3	AB
58	TMEP01	RANCANGAN ELEMEN MESIN	1	A
59	TMEP03	KERJA PRAKTEK (KP)	1	A
60	MKSP02	KULIAH KERJA NYATA	2	A
61	TMEPA2	TUGAS AKHIR	5	A

Jumlah Mata Kuliah : 61
Jumlah SKS : 150
Jumlah Bobot : 496
IPK : 3.31
Predikat : Sangat Memuaskan
A=4.0, AB=3.5, B=3.0, BC=2.5, C=2.0, D=1.0, E=0
Judul Skripsi: STUDI LAJU KOROSI DAN PERKEMBANGAN PRODUK KOROSI ATMOSFERIK PADA BAJA PROFIL SIKU AKIBAT PEMAPARAN DI LINGKUNGAN FAKULTAS TEKNIK UNSYIAH



Banda Aceh, 3 Februari 2020

Dekan,

Dr. Ir. Taufiq S., M. Eng
NIP.196309221990021001





SYIAH KUALA UNIVERSITY

Darussalam, Banda Aceh - Indonesia

License for Establishment: Decree of the President of Republic of Indonesia No.161 Year of 1962

ACADEMIC TRANSCRIPT

000098/21201/UN11/TN/2020

Name : Muhibul Jamal
Student ID : 1504102010029
Place of Birth : Mata le
Date of Birth : June 25,1995

Faculty : Engineering
Study Program : Mechanical Engineering
Academic Program : Bachelor
Date of Award : January 2 ,2020

No	Course Code	Course	Credits	Grade
1	MKS201	ENGLISH	2	B
2	TME101	CALCULUS I	3	BC
3	TME103	ENGINEERING DRAWING + PRACTICAL SKILL	2	BC
4	TME105	ENGINEERING MATERIALS + PRACTICE	3	AB
5	TME107	PHYSICS I + PRACTICE	3	BC
6	TME109	CHEMISTRY	2	A
7	TME111	INTRODUCTION TO MECHANICAL ENGINEERING	2	AB
8	MKS101	INDONESIAN LANGUAGE	2	A
9	MKS104	BASIC SOCIAL AND CULTURAL SCIENCE	2	A
10	MKS105	RELIGION STUDIES	2	AB
11	MKS106	DISASTER AND ENVIRONMENTAL STUDIES	2	AB
12	TME102	CALCULUS II	3	B
13	TME104	MECHANICAL DRAWING + PRACTICE	2	BC
14	TME106	PHYSICAL METALLURGY + PRACTICE	3	B
15	TME108	PHYSICS II + PRACTICE	3	BC
16	MKS103	PANCASILA AND CIVIC EDUCATION	2	B
17	TME201	ENGINEERING MATHEMATICS I	3	C
18	TME203	MANUFACTURING PROCESS + PRACTICE	3	AB
19	TME205	STATICS	3	B
20	TME207	INTRODUCTION TO COMPUTATIONAL METHOD + PRACTICE	3	BC
21	TME209	ELECTRICAL POWER ENGINEERING + PRACTICE	3	A
22	TME211	BASIC ENGINEERING THERMODYNAMICS	3	BC
23	TME303	ENERGY CONVERSION MACHINES I	2	BC
24	TME202	ENGINEERING MATHEMATICS II	3	B
25	TME204	MANUFACTURING PROCESS II + PRACTICE	3	B
26	TME206	STRENGTH OF MATERIALS	3	B
27	TME208	BASICS OF HEAT TRANSFER	3	AB
28	TME210	MACHINE ELEMENTS I	3	AB
29	TME212	ENGINEERING MEASUREMENTS	2	B
30	TME214	FLUID MECHANICS I	3	AB
31	TME301	KINEMATICS	3	B
32	TME305	MECHANICAL VIBRATION	3	B
33	TME307	INDUSTRIAL METROLOGY AND QUALITY CONTROL + PRACTICE	3	B
34	TME309	MAINTENANCE ENGINEERING	2	A
35	TME311	MACHINE ELEMENTS II	3	A
36	TME313	MECHATRONICS	2	AB
37	TME315	FLUID MECHANICS II	2	BC
38	TME547	PRODUCTION MACHINERY	2	AB
39	TME557	ROBOTICS AND NUMERICAL CONTROL	2	B
40	FTT302	TECHNOPRENEURSHIP	2	A

No	Course Code	Course	Credits	Grade
41	TME110	CONCEPTS OF TECHNOLOGY	2	AB
42	TME302	DYNAMICS	3	AB
43	TME304	ENERGY CONVERSION MACHINES II	2	AB
44	TME310	CONTROL SYSTEMS	2	A
45	TME312	MATERIALS AND PROCESS SELECTION	2	AB
46	TME314	PRACTICE OF BASIC MECHANICAL PHENOMENA	1	AB
47	TME404	INDUSTRIAL MANAGEMENT	2	AB
48	TME506	METALLOGRAPHY AND MATERIALS CHARACTERISATION	3	AB
49	TME544	CORROSION ENGINEERING	3	AB
50	TME401	RESEARCH METHODOLOGY	3	B
51	TME403	SCIENTIFIC WRITING	1	AB
52	TME405	PRACTICE OF ENGINE PERFORMANCE EVALUATION	1	AB
53	TME509	HEAT TREATMENT	3	AB
54	TME511	METAL FORMING	3	A
55	TME541	METAL DAMAGE AND NON DESTRUCTIVE TEST	3	A
56	TME549	POWDER METALLURGY	2	A
57	TME565	COMPUTATIONAL METHODS	3	AB
58	TMEP01	DESIGN OF MACHINE ELEMENTS	1	A
59	TMEP03	ON THE JOB TRAINING	1	A
60	MKSP02	COMMUNITY SERVICE	2	A
61	TMEPA2	FINAL YEAR PROJECT (FYP)	5	A

Total Courses : 61
Total Credits : 150
Total Weights : 496
Cumulative GPA : 3.31
Graduated Category : Very Satisfactory
A=4.0, AB=3.5, B=3.0, BC=2.5, C=2.0, D=1.0, E=0
Script Title: STUDY ON CORROSION RATE AND ATMOSPHERIC CORROSION PRODUCTS OF L-SHAPE STEEL EXPOSED IN THE ENVIRONMENT OF ENGINEERING FACULTY UNSYIAH

Banda Aceh, February 3,2020
Dean,

signed

Dr. Ir. Taufiq S., M. Eng
NIP.196309221990021001